

Seed<sup>IP</sup>

June 1, 2006

2

Stephen J. Rosenman, Ph.D.

Telephone: (206) 694-622-4900

steve@SeedIP.com

## Facsimile Transmission

To: PCT Legal Office

Fax No: (571) 273-0459

Phone No:

U.S. Patent Application No. 10/520,986

Re:

Forwarding copy of Response to Notice to File Missing Requirements

Seed IP Ref: 310134.402USPC

No. of Pages: 22 (including this page)

If you do not receive all pages, please call Rosie at (206) 622-4900 or fax our office.☒ Urgent☒ For Review☒ Please Confirm  
Receipt☐ Please Reply  
ASAP

Jim Lashora at the PCT Help Desk recently pulled the file wrapper for U.S. Application No. 10/520,986 and informed us that the Response to Notice to File Missing Requirements filed with the PTO on July 27, 2005 was not in the file. He advised us to fax a copy of the Response as well as a copy of the PTO stamped return receipt postcard that accompanied the Response.

Accordingly, enclosed herewith is a copy of the Response as filed on July 27, 2005 and a copy of the PTO stamped return receipt postcard that accompanied the Response. **Please note that the assignment document included in the Response should not be re-recorded as it has already been recorded by the Assignment Services Branch.** The assignment document in the Response has been marked as such.

**CONFIDENTIALITY NOTICE:**

The information contained in this facsimile message is legally privileged and/or confidential information intended only for the use of the addressee named above. If you are not the intended recipient, you are hereby notified that any use, dissemination, distribution, or copying of this facsimile or its content is strictly prohibited. If you have received this facsimile in error, please immediately notify us by telephone and return the original facsimile message to us by mail or destroy it without making a copy. Thank you.

**BEST AVAILABLE COPY**

Seed Intellectual Property Law Group PLLC

Address 701 Fifth Avenue  
Suite 6300  
Seattle, WA 98104  
Phone 206.622.4900  
Facsimile 206.682.6031  
E-mail SeedIP.com

Seed<sup>IP</sup>

Please contact us if you have any questions. We look forward to receiving the Notice of Acceptance for this application.

Best regards,

Rosie Price, Legal Assistant to  
Stephen J. Rosenman, Ph.D.

Seed Intellectual Property Law Group PLLC

Address 701 Fifth Avenue  
Suite 6300  
Seattle, WA 98104  
Phone 206.622.4900  
Facsimile 206.682.6031  
Website SeedIP.com

---

**CONFIDENTIALITY NOTICE:**

The information contained in this facsimile message is legally privileged and/or confidential information intended only for the use of the addressee named above. If you are not the intended recipient, you are hereby notified that any use, dissemination, distribution, or copying of this facsimile or its content is strictly prohibited. If you have received this facsimile in error, please immediately notify us by telephone and return the original facsimile message to us by mail or destroy it without making a copy. Thank you.

Express Mail No.: EV 335614532US

Filing Date  
Stamp

SJR:kw

SENT: July 27, 2005

DUE: September 12, 2005

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

27 JUL 2005

PLEASE STAMP WITH APPLICATION NO. AND RETURN

Kindly acknowledge receipt of the below-listed documents by placing your receiving stamp hereon and mailing:

Check; Transmittal Letter (3 pages + copy); Declaration for Utility or Design Application Using an Application Data Sheet (1 page); Election and Power of Attorney; Statement under 37 C.F.R. § 3.73(b); Form PTO-1595; Assignment (3 pages); Information Disclosure Statement, Form PTO-1449 (1 page), Copies of Cited References (11); and Copy of Notification of Missing Requirements (PCT/DO/EO/905); in re: Richard Gilbert et al.; U.S. National Stage Application No. 10/520,986, based upon International Application No. PCT/GB2003/002962, International Filing Date of July 9, 2003, for MOLECULAR DETECTOR ARRANGEMENT.

614350\_1.DOC

Seed Intellectual Property Law Group PLLC

Application  
Number

Filing Date  
Stamp

Application  
Number

Express Mail No.: EV 335614532US 310134.402USPC

SJR:kw

SENT: July 27, 2005  
DUE: September 12, 2005

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PLEASE STAMP WITH APPLICATION NO. AND RETURN**

Kindly acknowledge receipt of the below-listed documents by placing your receiving stamp hereon and mailing:

Check; Transmittal Letter (3 pages + copy); Declaration for Utility or Design Application Using an Application Data Sheet (1 page); Election and Power of Attorney; Statement under 37 C.F.R. § 3.73(b); Form PTO-1595; Assignment (3 pages); Information Disclosure Statement, Form PTO-1449 (1 page), Copies of Cited References (11); and Copy of Notification of Missing Requirements (PCT/DO/EO/905); In re: Richard Gilbert et al.; U.S. National Stage Application No. 10/520,986, based upon International Application No. PCT/GB2003/002962, International Filing Date of July 9, 2003, for MOLECULAR DETECTOR ARRANGEMENT.  
614350\_1.DOC Seed Intellectual Property Law Group PLLC

Express Mail No. EV335614532US

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NO. <b>310134.402USPC</b>
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/520,986</b>
INTERNATIONAL APPLICATION NO. <b>PCT/GB2003/002962</b>	INTERNATIONAL FILING DATE <b>July 9, 2003</b>	PRIORITY DATE CLAIMED <b>July 10, 2002</b>
TITLE OF INVENTION <b>MOLECULAR DETECTOR ARRANGEMENT</b>		
APPLICANT(S) FOR DO/EO/US <b>Richard GILBERT, Xiao-Feng ZHOU and Brian Philip ALLEN</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: Statement Under 37 CFR 3.73(b); PTO-1449 (1 page); Cited References (11); Copy of Notification of Missing Requirements.</li> </ol>		

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/520,986</b>		INTERNATIONAL APPLICATION NO. <b>PCT/GB2003/002962</b>		ATTORNEY'S DOCKET NUMBER <b>310134.402USPC</b>	
The following fees are submitted					
21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....				\$ 300.00	\$ .00
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by the IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....				\$ 0.00	\$ .00
All other situations .....				\$ 200.00	
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by the IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....				\$ 0.00	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....				\$ 100.00	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....				\$ 400.00	\$ .00
All other situations .....				\$ 500.00	
<b>TOTAL OF 21, 22 AND 23 =</b>					\$ .00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE	
- 100 =	/50 =			X \$250.00	
				\$	.00
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	.00
Claims	Number Filed	Number Extra	Rate		
Total Claims	- 20 =		x \$ 50.00	\$	.00
Independent Claims	- 3 =		x \$ 200.00	\$	.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00	\$ .00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					\$ .00
<b>SUBTOTAL =</b>				\$	.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+	\$ .00
<b>TOTAL NATIONAL FEE =</b>					\$ .00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$40.00
<b>TOTAL FEES ENCLOSED =</b>					\$40.00
				Amount to be refunded:	
				Amount to be Charged:	

- a. ☒ A check in the amount of \$40 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. 19-1090 in the amount of \$\_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any deficiency in the basic national fee which may be required, or credit any overpayment to Deposit Account No. 19-1090. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Stephen J. Rosenman, Ph.D.  
Seed Intellectual Property Law Group PLLC  
701 5<sup>th</sup> Avenue, Suite 6300  
Seattle, WA 98104-7092  
United States of America  
(206) 622-4900

  
SIGNATURE

Stephen J. Rosenman, Ph.D.  
NAME

43.058  
REGISTRATION NUMBER

(07/05)

C:\N:\Portb\NiManage\KARENWILL\610964\_1.DOC

Express Mail No. EV 335614532US Page 1 of 2



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO. 10/520,986	FIRST NAMED APPLICANT Richard Gilbert	ATTY. DOCKET NO. 310134.402USPC
INTERNATIONAL APPLICATION NO. PCT/GB03/02962		
IA. FILING DATE 07/09/2003	PRIORITY DATE 07/10/2002	

Stephen J Rosenman  
 Seed Intellectual Property Law Group  
 701 5th Avenue  
 Suite 6300  
 Seattle, WA 98104-7092

RECEIVED

JUL 18 2005

SEED INTELLECTUAL PROPERTY  
LAW GROUP PLLC

CONFIRMATION NO. 5209  
 371 FORMALITIES LETTER

\*OC000000016489872\*

Date Mailed: 07/12/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 01/10/2005
- Copy of the International Search Report filed on 01/10/2005
- Preliminary Amendments filed on 01/10/2005
- U.S. Basic National Fees filed on 01/10/2005
- Priority Documents filed on 01/10/2005

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

MAMIE P PERSON



---

Telephone: (703) 308-9140 EXT 227

---

PART 1 - ATTORNEY/APPLICANT COPY

---

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/520,986	PCT/GB03/02962	310134.402USPC

FORM PCT/DO/EO/905 (371 Formalities Notice)

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**